

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Figure 3e. This sheet, which includes Figures 3a-3f, replaces the original sheet including Figures 3a-3f. In Figure 3e, label "3" has been amended to read "3e."

Attachment: Replacement Sheet
Annotated Sheet Showing Changes

REMARKS

This paper is presented in response to the Office Action. By this paper, claims 1, 4, 5 and 9 are amended. New claim 10 has been added. Claims 1-10 are now pending in view of the aforementioned new claim.

Reconsideration of the application is respectfully requested in view of the aforementioned amendments to the claims and the following remarks. For the convenience and reference of the Examiner, the remarks of the Applicant are presented in the order in which the corresponding issues were raised in the Office Action.

I. General Considerations

Applicant notes that the amendments presented herein have been made merely to clarify the claimed embodiments from elements purported by the Examiner to be taught by the cited references. Such amendments are not intended to constitute, and should not be construed as, an acquiescence, on the part of the Applicant: as to the purported teachings or prior art status of the cited references; as to the characterization of the cited references advanced by the Examiner; or as to any other assertions, allegations or characterizations made by the Examiner at any time in this case. Applicant reserves the right to challenge the purported teaching and prior art status of the cited references at any appropriate time.

II. Objection to the Drawings

The Examiner has objected to the drawings because they do not include the reference sign 3e mentioned in the description. Applicant respectfully submits that in view of the Replacement Sheet submitted herewith, the objection has been overcome and should be withdrawn.

III. Objection to the Specification

The Examiner has objected to the specification for failing to list the appropriate application numbers in paragraphs [0027] and [0029]. Applicant respectfully submits that in view of the amendment to paragraphs [0027] and [0029] set forth herein, the objection has been overcome and should be withdrawn.

IV. Rejection of Claims 1-4 and 6-9 under 35 U.S.C. § 102(b)

Applicant respectfully notes that a claim is anticipated under 35 U.S.C. § 102(b) only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. Further, the identical invention must be shown in as complete detail as is contained in the claim. Finally, the elements must be arranged as required by the claim. *Manual of Patent Examining Procedure (“MPEP”)* § 2131.

The Examiner has rejected claims 1-4 and 6-9 under 35 U.S.C. § 102(b) as anticipated by US 5,295,214 to Card et al. (“*Card*”). Applicant respectfully disagrees however and submits that for at least the reasons set forth below, the rejection should be withdrawn.

By this paper, Applicant has amended independent claim 1 and independent claim 9 to recite, among other things:

A method of manufacturing an optical transceiver module, comprising...rigidly attaching the optical assembly to a printed circuit board using the lead frame connector such that the lead frame connector electrically connects the optical sub-assembly to the printed circuit board and the lead frame connector provides mechanical support for the optical transceiver module. *Emphasis added.*

Support for this amendment can be found in the specification at, for example, paragraphs 0009-0012, 0030-0033, and Figure 4b.

In contrast, the Examiner has asserted that *Card* discloses “a process for manufacturing the improved soldered joint between an optical sub-assembly and a flexible ribbon cable.” The component which “electrically connects the optical sub-assembly to the printed circuit board” in *Card* is repeatedly referred to as a “flexible ribbon cable.” *See, e.g.* col. 4, ll. 57-58, 64; col. 5, ll. 23, 57-58, 61-62; col. 6, l. 2. *Emphasis added.*

With the foregoing in view, Applicant respectfully submits that the Examiner has not established that *Card* anticipates claims 1-4 and 6-9, as herein amended, at least because the Examiner has not established that *Card* discloses the aforementioned limitation of amended claims 1 and 9, in combination with the other limitations of those claims. Applicant thus respectfully submits that the rejection of claims 1 and 9, and claims 2-4 and 6-8 which depend from claim 1, should be withdrawn.

IV. Rejection of Claims 5 under 35 U.S.C. § 103(a)

Applicant respectfully notes at the outset that in order to establish a *prima facie* case of obviousness, it is the burden of the Examiner to demonstrate that three criteria are met: first, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings; second, there must be a reasonable expectation of success; and third, the prior art reference (or references when combined) must teach or suggest all the claim limitations. *MPEP* § 2143.

The Examiner has rejected claim 5 under 35 U.S.C. § 103(a) as being unpatentable over *Card* in view of US 2003/0026081 to Liu et al. (“*Liu*”). However, to the extent that the rejection of claim 5 is based on *Card*, Applicant respectfully submits that such rejection lacks an adequate basis for at least the reasons set forth at III. above. Particularly, Applicant respectfully submits that the Examiner has not established a *prima facie* case of obviousness with respect to claim 5 at least because the Examiner has not established that the references, when combined, teach or suggest all the limitations of claim 5.

In view of the foregoing, Applicant respectfully submits that the rejection of claim 5 should be withdrawn.

CONCLUSION

In view of the remarks submitted herein, Applicant respectfully submits that each of the pending claims 1-10 is in condition for allowance. Therefore, allowance of those claims is respectfully solicited. In the event that the Examiner finds any remaining impediment to a prompt allowance of this application that could be clarified in a telephonic interview, the Examiner is respectfully requested to initiate the same with the undersigned attorney.

Dated this 9th day of February, 2006.

Respectfully submitted,

Peter F. Malen Jr.
Attorney for Applicant
Registration No. 45,576
Customer No. 022913
Telephone: (801) 533-9800



Title: METHODS FOR MANUFACTURING OPTICAL MODULES USING LEAD FRAME CONNECTORS
Inventor: Donald A. Ice
Docket No.: 15436.446.1

FIG. 3d

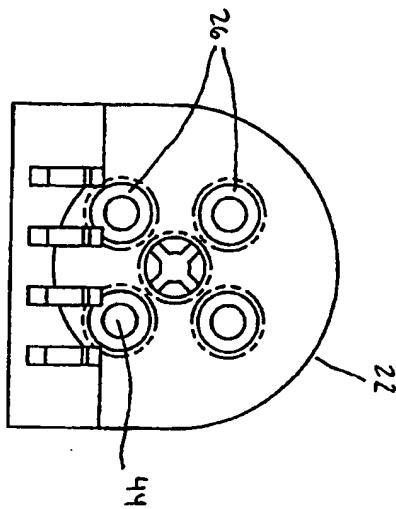


FIG. 3a

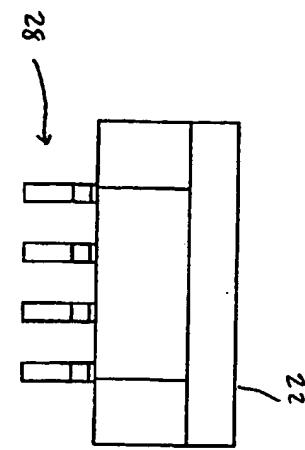


FIG. 3e

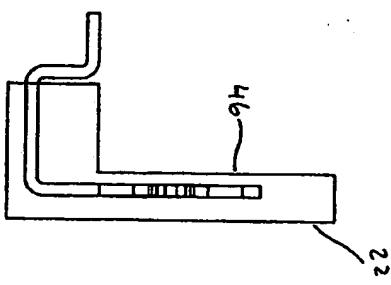


FIG. 3b

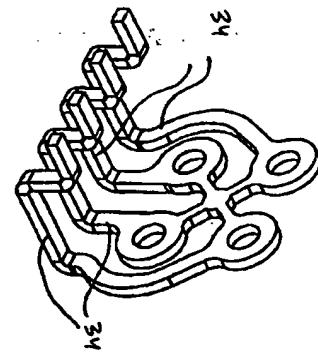


FIG. 3f

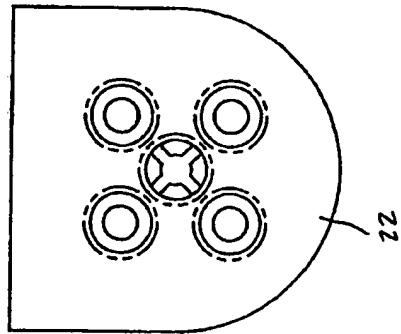


FIG. 3c

